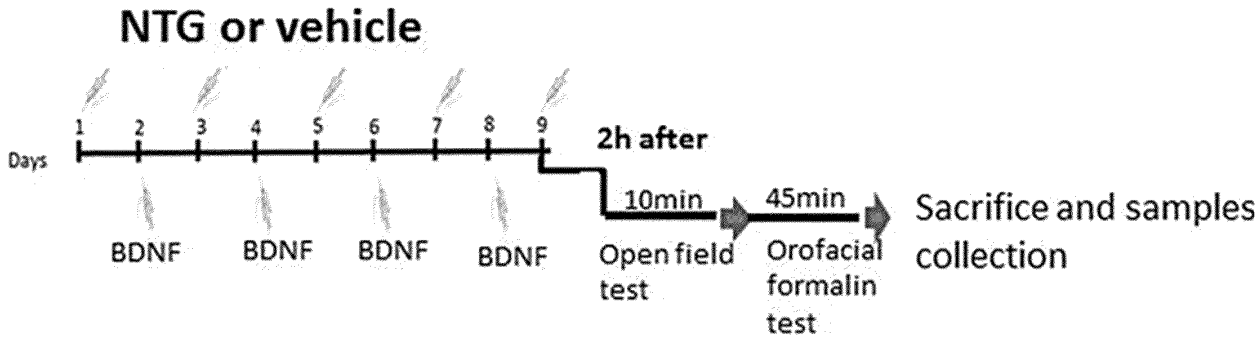

NTG or vehicle
Days
1
2
3
4
5
6
7
8
9
BDNF
BDNF
BDNF
BDNF
2h after
10min
Open field test
45min
Orofacial formalin test
Sacrifice and samples collection

FIGURE 1

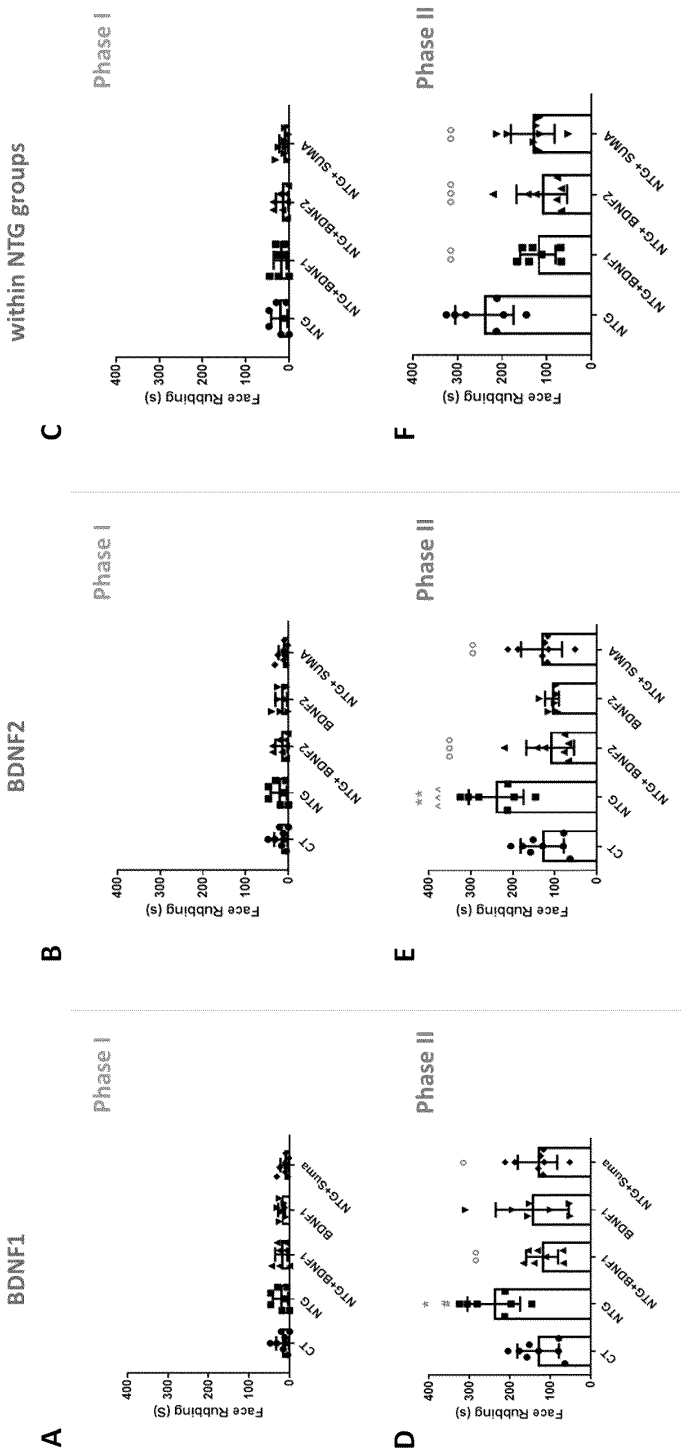

BDNF1
BDNF2
within NTG groups
A
B
C
D
E
F
Phase I
Phase II
Face Rubbing (S)
Face Rubbing (s)
CT
NTG
NTG+BDNF1
BDNF1
NTG+Suma
NTG+BDNF2
BDNF2
NTG+SUMA

FIGURE 2

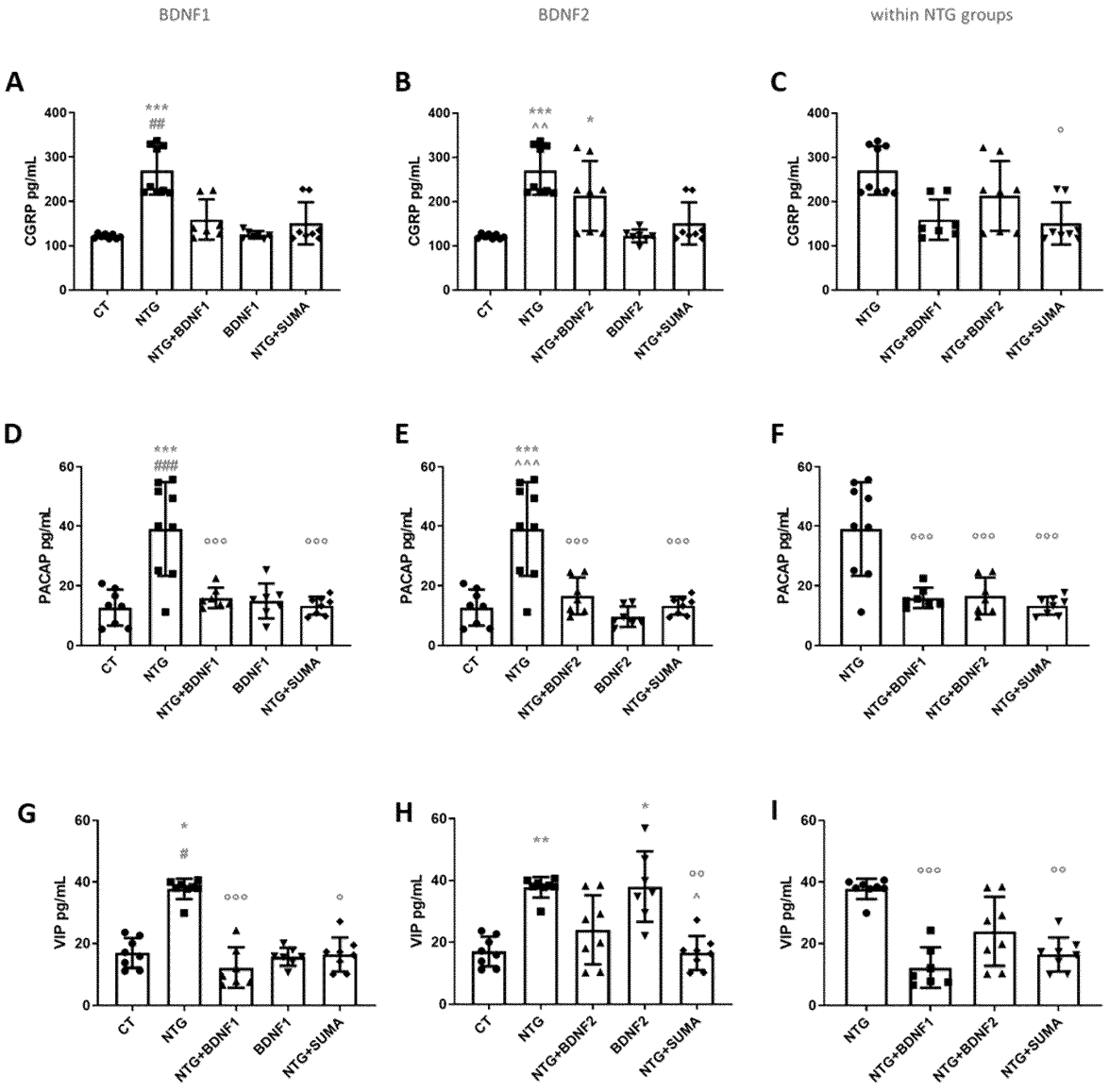

BDNF1
BDNF2
within NTG groups
A
B
C
CGRP pg/mL
CT
NTG
NTG+BDNF1
BDNF1
NTG+SUMA
NTG+BDNF2
BDNF2
D
E
F
PACAP pg/mL
G
H
I
VIP pg/mL

FIGURE 3

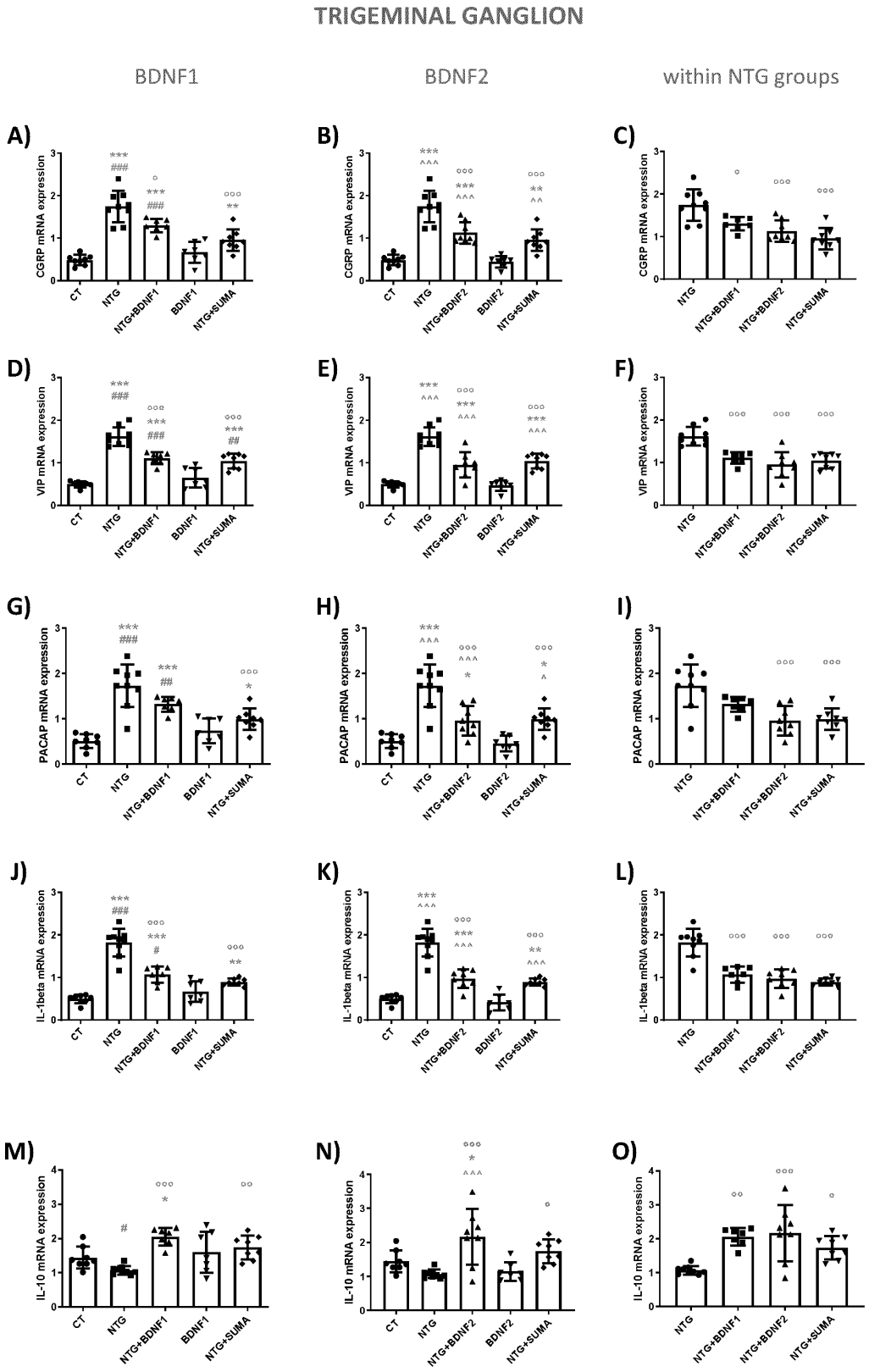

TRIGEMINAL GANGLION
BDNF1
BDNF2
within NTG groups
A)
B)
C)
D)
E)
F)
G)
H)
I)
J)
K)
L)
M)
N)
O)
CGRP mRNA expression
VIP mRNA expression
PACAP mRNA expression
IL-1beta mRNA expression
IL-10 mRNA expression
CT
NTG
NTG+BDNF1
BDNF1
NTG+SUMA
NTG+BDNF2
BDNF2

FIGURE 4

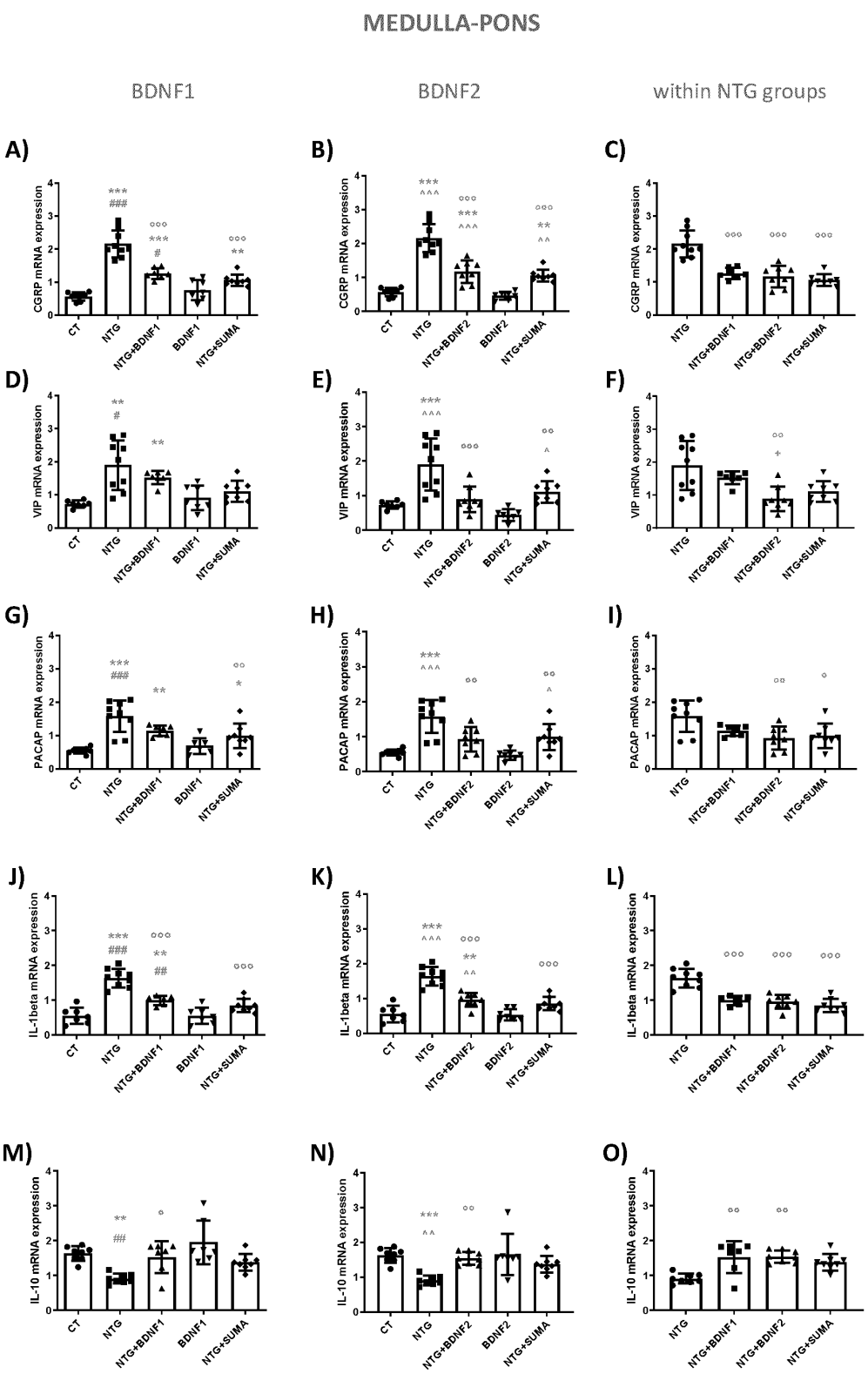

MEDULLA-PONS
BDNF1
BDNF2
within NTG groups
A)
B)
C)
D)
E)
F)
G)
H)
I)
J)
K)
L)
M)
N)
O)
CGRP mRNA expression
VIP mRNA expression
PACAP mRNA expression
IL-1beta mRNA expression
IL-10 mRNA expression
CT
NTG
NTG+BDNF1
BDNF1
NTG+SUMA
NTG+BDNF2
BDNF2

FIGURE 5

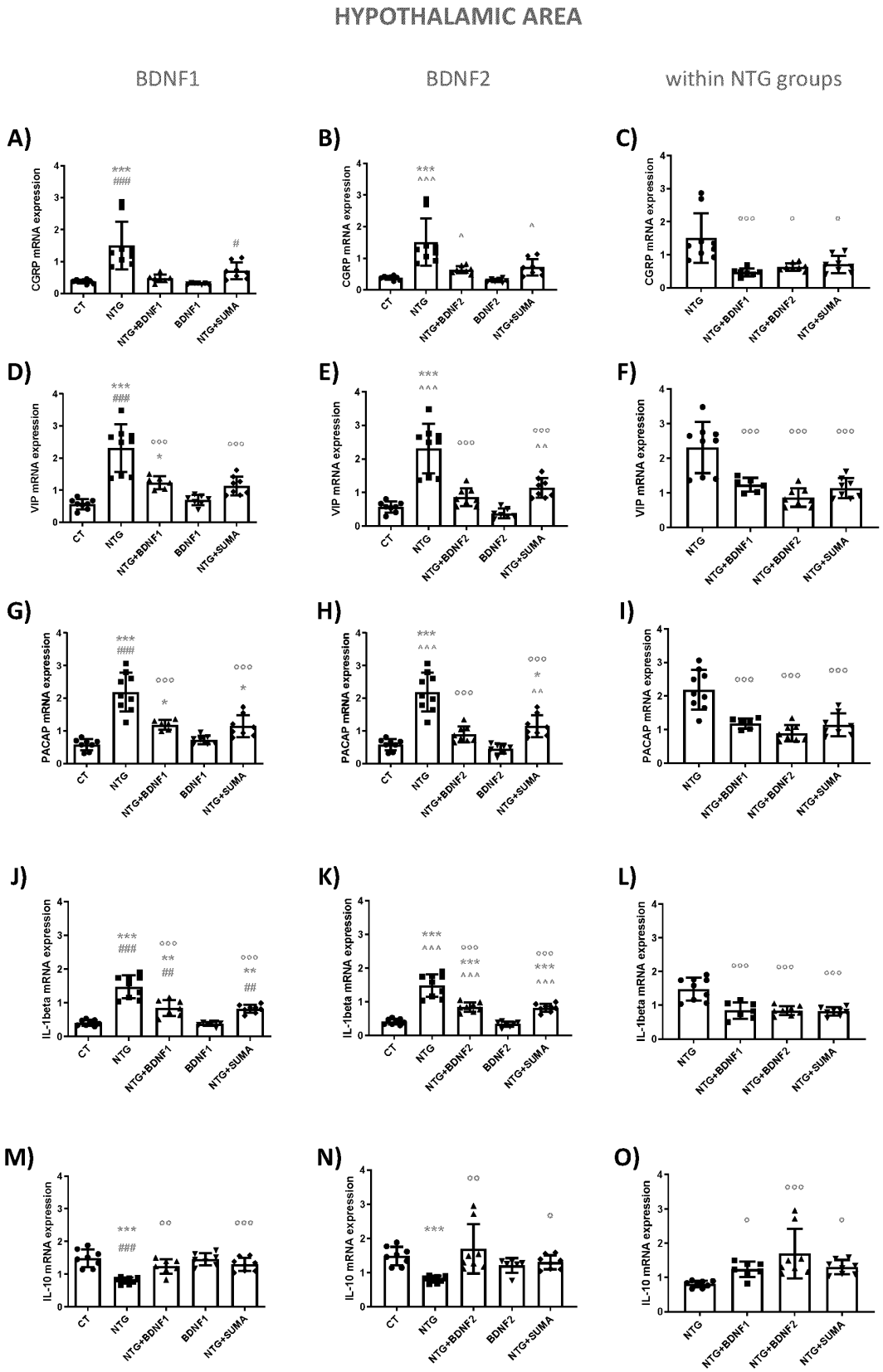

HYPOTHALAMIC AREA
BDNF1
BDNF2
within NTG groups
A)
B)
C)
D)
E)
F)
G)
H)
I)
J)
K)
L)
M)
N)
O)
CGRP mRNA expression
VIP mRNA expression
PACAP mRNA expression
IL-1beta mRNA expression
IL-10 mRNA expression
CT
NTG
NTG+BDNF1
BDNF1
NTG+SUMA
NTG+BDNF2
BDNF2

FIGURE 6